

CERTIFICATE OF MAILING

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above, addressed to: Assistant Commissioner of Patents, Box Patent Application Washington, D.C. 20231 on 2/8/02.

By: James ShadleyIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Guan et al.

Serial No.: To Be Assigned

Filed: Even Date Herewith

For: Apparatus For Screening Catalysts In A
Parallel Fixed Bed Reactor

Group Art Unit: Unknown

Examiner: Unknown

Assistant Commissioner for Patents
Washington, D.C. 20231INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith patents, publications and other information of which they are aware, which they believe an examiner may consider to be material to the patentability of the claims of this application, and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

While this Information Disclosure Statement may contain "material" information pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is either "material" or "prior art" to the invention disclosed and claimed in the above-referenced application unless specifically designated as such. Applicants specifically reserve the right, where appropriate, to avoid or antedate any such reference by the appropriate arguments or showings under 37 C.F.R. § 1.131 and § 1.608, or any other appropriate means.

A completed PTO Form 1449 listing each reference is submitted herewith, and it is respectfully requested that an Examiner initialed copy of the PTO Form 1449 be returned to the undersigned. A copy of each reference therein listed does not accompany this Information Disclosure Statement, as the references were submitted in the parent application, U.S. Serial No. 09/607,535 filed June 29, 2000 (See 37 C.F.R. § 1.98(d)).

This Information Disclosure Statement is being filed within three months of the filing or entry of the national stage of this application, or before the mailing of a first Office Action on the merits, whichever is later. No fee is required under 37 C.F.R. § 1.97(b). However, in the event that more than 90 days from filing have elapsed and a first Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the fee required under 37 C.F.R. 1.17(p) to Deposit Account Number 50-0496.



The Examiner is hereby requested to consider these references and other information and make them of record in the above-referenced application. Applicants respectfully submit that the claims of this application are patentable over the above-cited references and information. Examination and allowance of this application at an early date are requested.

Respectfully submitted,

Date:

Feb 8, 2002

By:

Paul A. Stone

Paul A. Stone, Registration No. 38,628

Symyx Technologies, Inc.
3100 Central Expressway
Santa Clara, CA 95051
Tel: (408) 764-2000
Fax: (408) 773-4029

INFORMATION DISCLOSURE CITATION PTO-1449	ATTORNEY'S DOCKET NO.: 98-13DIV2	APPLICATION NO.: To Be Assigned
	APPLICANT: Guan, Shenheng et al.	
	FILING DATE: Even Date Herewith	GROUP: Unknown

Jc879 U.S. PTO
 10/07/1546
 02/08/03

US PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	3,431,077	3/4/69	Danforth	23	253	7/18/66
	3,536,452	10/27/70	Norton et al.	23	259	
	3,760,831	9/25/73	Colvin	137	117	11/1/71
	4,099,923	7/11/78	Millberger	23	254R	1/17/77
	4,111,758	9/5/78	Wackerbarth	202	138	2/7/77
	4,705,669	11/10/87	Tsuji et al.	422	93	8/27/86
	4,895,706	01/23/90	Root et al.	422	102	4/28/88
	4,996,387	2/26/91	Gerhold et al.	585	654	7/20/89
	5,035,866	7/30/91	Wannlund	422	102	2/16/88
	5,246,665	9/21/93	Tyranski et al.	422	64	6/3/91
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	5,587,128	12/24/96	Wilding et al.	422	50	11/14/94
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	5,922,286	7/13/99	Girard et al.	422	83	7/31/97

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	DE 37 42 332 C2	6/9/94	Germany	G 01 N	31/10		X
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	EP 0 803 288 A2	12/29/97	EPO	B01L	3/00		X
	EP 0 870 541 A2	10/14/98	EPO	B01J	19/00		X
	WO 97/32208	9/4/97	PCT	G01N	31/10		X
	WO 98/03521	1/29/98	PCT	C07F	19/00		X
	WO 98/07026	2/19/98	PCT	G01N	31/10	X	
	WO 98/52691	11/26/98	PCT	B01L	3/00		X
	WO 99/59716	11/25/99	PCT	B01J	19/00	X	

Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages Etc.)		
	Ertl, G., et al., Handbook of Heterogeneous Catalysis, VCH Publisher, Vol. 3, p. 1194 and p. 1374 (1997)	
	Falk, C.D.; Mooney, J.J., "Three-Way Conversion Catalysts: Effect of Closed-Loop Feed-Back Control and Other Parameters on Catalyst Efficiency", Society of Automotive Engineers, Inc. 1980, 800462	
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	Kulkova, N.V. et al., "An Apparatus for Testing Catalysts of the Oxidation of Ethylene Into Ethylene Oxide," The Chemical Industry, Issue 9, (1968), pp. 16-18 (Translation)	
	Liederman, D. et al., American Chemical Society, Dallas Meeting, April 8-13, 1973, Evaluation of Co/Hydrocarbon Oxidation Catalysts For Automotive Emission Control Systems, 15-32	
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	Moates et al., 1996, Ind. Eng. Chem. Res. 35: 4801-4803	
	"Infrared Thermographic Screening of Combinatorial Libraries of Heterogeneous Catalysts"	
	Richardson, J.T., et al., "Characterization and Deactivation of NiO -ThO ₂ Catalysts," Applied Catalysis, 48, pp. 152-176, (1989)	
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	Wu, Ching-Hsong; Hammerle, Robert H., "Development of a Low Cost, Thermally Stable, Monolithic Three-Way Catalyst System", Ind. Eng. Chem. Prod. Res. Dev. 1983, 22, 559-585	

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